

Commonly Used Therapeutic Drugs in Rodents

Common Medical Conditions	Treatment
Dermatitis, bite wounds	Clip hair and clean with 0.2% chlorhexidine solution or betadine solution Triple antibiotic ointment, 2(m)- m2.605.601 13.801 ntment,otieptia1(,)14(ol)6

Baytril (enrofloxacin) Dilution Preparation for Mice

Use Sterile Technique!

1. Always decontaminate the Baytril vial, NaCl bag port, and NaCl vials with ethanol before inserting a sterile needle, withdrawing compound, or injecting drug.
2. To prepare the mixture:
 - a. If using Baytril (enrofloxacin) 2.27% (22.7mg/ml) stock solution
 - 1) To make a 10ml Vial
 - i. Use prepackaged 10ml sterile 0.9% NaCl preservative free vial
 - ii. Remove 0.45 ml NaCl from Vial
 - iii. Add 0.45 ml Baytril (22.7mg/ml) stock solution
 - iv. Final concentration of new dilution is 1.0 mg/ml
 - b. If using Baytril (enrofloxacin) 100mg/ml stock solution
 - 1) To make a 10ml vial
 - i. Use prepackages 10ml sterile 0.9% NaCl preservative free vial
 - ii. Remove 0.1ml NaCl from vial
 - iii. Add 0.1ml Baytril (100mg/ml) stock solution

Carprofen Dilution Preparation for Rats

Use Sterile Technique!

1. Always decontaminate the Carprofen vial stopper, sterile 0.9% NaCl vials, and 0.9% NaCl Bags with ethanol **before** inserting a sterile needle.
2. To prepare the mixture:
Using a 10ml vial of NaCl
 - a. Remove 1.0 ml NaCl from 10ml vial
 - b. Add 1.0 ml Carprofen (50mg/ml stock solution) to yield 5 mg/ml
3. Label the **bag / vial** as follows:
 - a. name of the drug (Carprofen/saline solution)
 - b. strength of the drug (5.0 mg Carprofen/ml)
 - c. date of constitution
 - d. initials of constituting technician
 - e. dose of the drug for **rats** (5 mg/kg BW, SQ)
 - f. Carprofen injection volumes for **rats** (body weight [BW]) SC:
 - 1) 250 gm BW = 0.25 ml
 - 2) 275 gm BW = 0.27 ml
 - 3) 300 gm BW = 0.30 ml
 - 4) 325 gm BW = 0.32 ml
 - 5) 350 gm BW = 0.35 ml
 - 6) 375 gm BW = 0.37 ml
 - 7) 400 gm BW = 0.40 ml
 - 8) 425 gm BW = 0.42 ml
 - 9) 450 gm BW = 0.45 ml
 - 10) 475 gm BW = 0.47 ml
 - 11) 500 gm BW = 0.50 ml
 - g. "Decontaminate bag port with ethanol **prior to each withdrawal.**"
 - h. "Keep refrigerated."
 - i. "Discard bag and contents on ____ (date 28 days after constitution), or if solution changes in appearance, e.g. discoloration, precipitation, opacity."
4. Expiration date: 28 days after constitution

Meloxicam Dilution Preparation for Mice

Use Sterile Technique!

4. Always decontaminate the meloxicam vial stopper, sterile 0.9% NaCl vials, and 0.9% NaCl Bags with ethanol **before** inserting a sterile needle.
5. To prepare the mixture:
Using a 10ml vial of NaCl
 - a. Remove 1.0 ml NaCl from 10ml vial
 - b. Add 1.0 ml meloxicam (5 mg/ml stock solution) to yield 0.5 mg/ml
6. Label the **bag / vial** as follows:
 - a. name of the drug (meloxicam/saline solution)
 - b. strength of the drug (0.5mg meloxicam/ml)
 - c. date of constitution
 - d. initials of constituting technician
 - e. dose of the drug for **mice** (5 -10 mg/kg BW, SQ)
 - f. Meloxicam injection volumes for **mice** (body weight [BW]) SC:

10

Ketamine/Xylazine Dilution Preparation for Mice

Use Sterile Technique!

1.